



The International Business Alliance  
for Corporate Ocean Responsibility

# SUSTAINABLE OCEAN SUMMIT

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*“The Ocean Sustainable Development Goal (SDG 14):  
Business Leadership and Business Opportunities”*



**29 Nov - 1 Dec 2017**  
➤ **Halifax, Canada**



## The challenge

**The ocean is an interconnected global ecosystem supporting a wide range of uses. Maintaining a healthy ocean requires responsible stewardship by all users.**

Concerns about the impacts of economic activity on ocean health from growing range and level of commercial use are on the rise. These concerns may limit industry access to marine areas and resources. Ocean users are increasingly being held accountable by governments and NGOs for the state of the ocean. Continued ocean access and use will increasingly require the social license to operate - above and beyond simple regulatory compliance - and participation in Sustainable Development Goals.

The best efforts by a single company or an entire sector will not be enough to address the cumulative impacts on the inter-connected marine ecosystem from growing use across the sectors. Companies dependent on the ocean can achieve business value from working with others to address shared challenges regarding sustainable development, science and stewardship.

## Creating an ocean business alliance

**The World Ocean Council is the only international, cross-sectoral industry leadership alliance on “Corporate Ocean Responsibility”.**

The WOC brings together the diverse ocean business community (shipping, fisheries,

oil & gas, aquaculture, offshore renewables, tourism, seabed mining, marine technology, manufacturers, law, retailers, insurers, finance, etc.) to achieve the business benefits of cross-sectoral leadership and collaboration.

The WOC develops global ‘platforms’ on cross-cutting ocean business and sustainability challenges, e.g. ocean policy & governance, marine planning, marine debris, marine sound, marine mammal impacts, water pollution, data collection by industry vessels & platforms, sea level rise/extreme event impacts, priority regions (Arctic, Indian Ocean), and investment & innovation for ocean sustainable development.

## The invitation

**Responsible ocean companies are invited join the growing number distinguishing themselves as leaders in “Corporate Ocean Responsibility” through the WOC.**

In addition to the 75+ WOC Members from the diverse ocean business community, the WOC Network includes 34,000+ ocean industry and media stakeholders around the world. The WOC is recognized or accredited by numerous U.N. agencies and other international organizations as the credible, global leadership body on ocean business and sustainability. The WOC Sustainable Ocean Summit (SOS) - 2010, Belfast; 2013, Washington DC; 2015, Singapore; 2016, Rotterdam; 2017, Halifax - is acknowledged as the international ocean business community conference on Corporate Ocean Responsibility.



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Become a WOC member and visit our website [oceanCouncil.org](http://oceanCouncil.org)

## Sustainable Ocean Summit 2017: 29 November - 1 December, Halifax, Canada



Welcome to the 2017 Sustainable Ocean Summit – the fifth international, cross-sectoral ocean industry conference on “Corporate Ocean Responsibility”.

With the generous support of the SOS 2017 sponsors and the assistance of many media partners and endorsing organizations, the SOS brings together senior representatives from a diverse range of ocean industries around the theme of “The Ocean Sustainable Development Goal (SDG 14): Business Leadership and Business Opportunities”.

The SOS 2017 theme recognizes:

- The growth of the Ocean Economy and its contribution to food, energy, transport, communications and other needs of society as part of the U.N. SDG process/Agenda 2030.
- The role of the Ocean Business Community over the next 15 years, and beyond, in ensuring ocean sustainable development.

This conference has attracted those interested in industry leadership and collaboration to address ocean sustainability, science and stewardship. You are in the company of like-minded colleagues from shipping, oil and gas, fisheries, aquaculture, ports, mining, finance, renewable offshore energy, tourism, marine technology and other industries, as well as representatives from other key ocean stakeholders.

Please make the most of this opportunity to get to know your peers in other sectors, and other stakeholder groups, who share your interest to understand and act on risks and opportunities of ocean sustainable development.

The SOS 2017 focuses on:

- Ocean Business Community leadership in achieving the U.N. “Ocean” Sustainable Development Goal (SDG) 14.
- Business Growth and Investment opportunities through Ocean Sustainable Development.
- Building on the results and momentum of the U.N. Ocean/SDG 14 Conference (June 2017), the “Our Ocean” conference (October 2017) and other ocean events of 2017.

The results of this SOS 2017 will feed into WOC and ocean business community efforts to address ocean sustainable development and the Sustainable Development Goals of the UN.

An increasing number of leadership companies worldwide are distinguishing themselves by becoming WOC Members. If you aren’t yet member, we encourage you to learn more about the WOC, talk to our members at the SOS, and become a part of this growing leadership alliance.

Sincerely

**Paul Holthus**  
CEO, World Ocean Council



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Please contact  
[summit@oceancouncil.org](mailto:summit@oceancouncil.org)



# SUSTAINABLE OCEAN SUMMIT

## SCHEDULE AT A GLANCE 1/2

### TUESDAY 28 NOVEMBER

08:30	13:30	WOC Board Meeting (WOC Board Members only)
13:30	14:30	WOC Board & WOC Member Lunch
15:00	18:00	WOC Members Meeting
16:00	19:00	Delegate Registration and Sponsor Exhibits Installation
18:30	20:30	Welcome Reception : WOC members & SOS Participants

### DAY 1 - SOS 2017 CONFERENCE

#### WEDNESDAY 29 NOVEMBER

08:30	10:00	<b>Opening Plenary Session:</b> Blue Sky Thinking for a Blue Ocean and Blue Economy
10:00	10:30	Morning Break
10:30	12:00	<b>Plenary Session:</b> Ocean Executive Forum: The Signature SOS Panel of CEOs from Across the Sectors
12:00	13:30	Lunch / Workshop
13:30	15:00	<b>Plenary Session:</b> Ocean 2030: Ocean Industry Projections and the Future of the Ocean Economy
15:00	15:30	Afternoon Break
15:30	17:00	<b>Parallel Sessions*</b>
19:30	22:00	SOS Reception and Dinner

\* Further information on p.10

## SCHEDULE AT A GLANCE 2/2

### DAY 2 - SOS 2017 CONFERENCE

THURSDAY 30 NOVEMBER 2017

08:30	10:00	<b>Parallel Sessions*</b>
10:00	10:30	Morning Break
10:30	12:00	<b>Plenary Session:</b> SDGs and Ocean Business Leadership: Case Studies in Linking Sustainable Development and Business Development
12:00	13:30	Lunch / Workshop
13:30	15:00	<b>Plenary Session:</b> The Digital Ocean: Big Ocean Data for Sustainable Development and Agenda 2030
15:00	15:30	Afternoon Break
15:30	17:00	<b>Parallel Sessions*</b>
19:00	21:30	SOS Gala Reception

### DAY 3 - SOS 2017 CONFERENCE

FRIDAY 1 DECEMBER 2017

08:30	10:00	<b>Parallel Sessions*</b>
10:00	10:30	Morning Break
10:30	12:00	<b>Parallel Sessions*</b>
12:00	13:30	Lunch / Workshop
13:30	15:00	<b>Parallel Sessions*</b>
15:00	15:30	Afternoon Break
15:30	17:00	<b>Plenary Session:</b> Ocean Investment Platform: Financing Ocean Sustainable Development
17:00	17:15	<b>Plenary Session:</b> Closing Comments

\* Further information on p.10



## LIST OF CONFIRMED SPEAKERS

- **Michel Andre**, Director, Applied Bioacoustics Laboratory, Universitat Politècnica de Catalunya
- **Jesse Ausubel**, International Quiet Ocean Experiment (IQOE)
- **Kevin Banister**, Business and Government Affairs, Principle Power
- **Wendy Banta**, Supply Chain Standard Manager, MSC
- **Scott Bergeron**, CEO, Liberian International Ship and Corporate Registry
- **Paul Berkman**, Coordinator, Arctic Options and Pan-Arctic Options Projects; Professor of Practice in Science Diplomacy, Fletcher School of Law and Diplomacy, Tufts University
- **David Bolduc**, Executive Director, Green Marine
- **Brad Buckham**, University of Victoria, West Coast Wave Initiative
- **Wil Burns**, Co-Executive Director, Forum for Climate Engineering Assessment, School of International Service, American University
- **Jim Cannon**, CEO, Sustainable Fisheries Partnership
- **Anuj Chopra**, Vice President, RightShip Americas, RightShip
- **Chris Coyle**, Senior Principal Consultant and Business Development, Exocetus Autonomous Systems
- **Jacques Demers**, Founding Partner, Agawa Partners
- **Stewart Frusher**, Director, Centre for Marine Socioecology, Cross Cutting Theme Leader – Climate Change, Institute for Marine and Antarctic Studies (IMAS), University of Tasmania
- **Susanna Fuller**, Marine Conservation Co-ordinator, Ecology Action
- **Noémie Giguere**, Executive Director, Technopole Maritime du Québec
- **Gary Gysin**, CEO, Liquid Robotics
- **Eric Hansen**, President, Economic Transformations Group
- **Dannie Hanson**, Vice President, Sustainability, Louisbourg Seafood
- **Peter Hinchliffe**, Secretary General, International Chamber of Shipping
- **Michael Jasny**, NRDC
- **Henry Jeffrey**, Chairman, Ocean Energy Systems (OES), International Energy Agency (IEA)
- **Claire Jolly**, Head, Innovation Policies for Space and Oceans, Directorate for Science, Technology and Innovation, OECD
- **Andreas Kaede**, Attorney, Haver & Mailänder Rechtsanwälte
- **Lynn Kavanagh**, Manager, Global Ghost Gear Initiative, World Animal Protection
- **Stuart Kaye**, Director, Australian National Centre for Ocean Resources and Security, University of Wollongong
- **Donna Lanzetta**, CEO, Manna Fish Farms
- **Avrim Lazar**, Convener, Global Salmon Initiative

- **Reenst Lesemann**, CEO, Columbia Power Technologies
- **Marie Le Texier**, Network Leader, RespectOcean
- **Jay Lugar**, Program Director – Canada, Marine Stewardship Council (MSC)
- **Michael Maduell**, President, Sovereign Wealth Fund Institute
- **Andrew Mallison**, Director General, IFFP-The Marine Ingredients Organization
- **Stephanie McClellan**, Director, Special Initiative on Offshore Wind, University of Delaware
- **Alisdair McLean**, Country Manager, Canada, Open Hydro Naval Energy
- **Kathy Metcalf**, President and CEO, Chamber of Shipping of America
- **James Michel**, former President, Seychelles
- **Melissa Nacke**, Specialist, Arctic Shipping and Marine Conservation, WWF Canada
- **Cristiana Pa ca Palmer**, Executive Secretary, Convention on Biological Diversity (CBD)
- **Capt Vinay Patwardhan**, COO, Tai Chong Cheang (TCC) Steamship Co. (H.K.) Limited
- **Ken Paul**, Director of Fisheries and Integrated Resources, Atlantic Policy Congress of First Nations Chiefs Secretariat
- **Alfredo Quarto**, Executive director and Co-founder, Mangrove Action Project
- **John Ridley**, Managing Director, Ocean Nourishment
- **Christian Richard**, Vice President, Special Projects, EMERA
- **Serge Segura**, Ambassador for the Oceans, France
- **Neil Sims**, Co-CEO, Kampachi Farms
- **Ian Smith**, CEO, Clearwater Seafoods
- **Sam Smith**, Director, Blue Globe Solutions
- **Wylie Spicer**, QC, McInnes Cooper
- **Bill Staby**, CEO, Resolute Marine Energy
- **Christopher Taggart**, Oceanography Department, Dalhousie University
- **Mikael Thinghuus**, CEO, Royal Greenland Fisheries
- **Mikis Tsimplis**, Professor, Oceanography and Maritime Law; Deputy Director, Southampton Marine and Maritime Institute, University of Southampton
- **Mike Utsler**, COO, Woodside Energy
- **Patrick Verhoeven**, Managing Director, International Association of Ports and Harbours (IAPH)
- **Robin Warner**, Professor, Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong
- **Wendy Watson Wright**, CEO, Ocean Frontier Institute
- **Alasdair Wilkie**, CTO, Deep Blue Cable
- **Tony Wright**, General Manager, Fundy Ocean Research Center for Energy (FORCE)
- **John Young**, Director, Marine Environment, DHI Water and Environment



## PLENARY SESSIONS

- **OPENING PLENARY: BLUE SKY THINKING FOR A BLUE OCEAN AND BLUE ECONOMY**
- **OCEAN EXECUTIVE FORUM: THE SIGNATURE SOS PANEL OF CEOs FROM ACROSS THE SECTORS**
- **OCEAN 2030: OCEAN INDUSTRY PROJECTIONS AND THE FUTURE OF THE OCEAN ECONOMY (COVERING OCEAN TRANSPORTATION, ENERGY, FOOD, TOURISM, COMMUNICATIONS AND MINERALS)**
- **SDGS AND OCEAN BUSINESS LEADERSHIP: SUSTAINABLE DEVELOPMENT AND BUSINESS DEVELOPMENT**
- **THE DIGITAL OCEAN, BIG OCEAN DATA AND OCEAN CLOUD COMPUTING: THE FUTURE OF OCEAN SUSTAINABLE DEVELOPMENT**
- **FINANCING OCEAN SUSTAINABLE DEVELOPMENT**



**SOS 2017 Theme  
“The Ocean Sustainable  
Development Goal (SDG 14):  
Business Leadership  
and Business Opportunities”**



# PARALLEL SESSIONS OUTLINE

## MARINE POLLUTION

*"SDG 14.1 By 2025, prevent and significantly reduce marine pollution"*

- Circular Economy, Marine Debris, Plastics: The Need for Port Reception Facilities
- Biofouling and Invasive Species: Addressing the Threat through Industry Collaboration
- Marine Sound: Tackling a Global Problem through Science-Based Industry Leadership and Multi-Stakeholder Collaboration

## CONSERVATION AND ECOSYSTEM BASED MANAGEMENT

*"SDG 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems"*

*"SDG 14.5 By 2020, conserve at least 10 per cent of coastal and marine areas"*

- Arctic Sustainable Development: Maritime Infrastructure and Vessel Traffic Projections and Scenarios
- Addressing Cross-Sectoral Conflicts and Developing Synergies: Oil and Gas and Fisheries
- Addressing Cross-Sectoral Conflicts and Developing Synergies: Wind Energy and Fisheries
- Ship Strikes and Marine Mammals: Practical Solutions for Ocean Industries
- Shipping, Sustainable Development and Synergies: Communication and Coordination Among Green Shipping Initiatives

## CLIMATE CHANGE AND OCEAN ACIDIFICATION

*"SDG 14.3 Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels"*

- Ocean NETs: CO2 Sequestration Via Ocean-Based Negative Emissions Technologies (NETs)
- Extreme Weather Events and Port Resiliency: Advancing Coastal Infrastructure Adaptation, especially for Island and Developing Countries
- From Local Enterprise to Global Seafood Markets: Real Business Solutions for Fishery Sustainability and Traceability in a Multiple Use Ocean
- Blue Carbon: Implementing Industry CO2 Offsets in Coastal and Marine Ecosystems

## FOOD SECURITY: SUSTAINABLE FISHING AND AQUACULTURE

*"SDG 14.4 By 2020, effectively regulate harvesting, and end overfishing, illegal, unreported and unregulated (IUU) fishing"*

*"SDG 14.6 By 2020, prohibit certain forms of fisheries subsidies which contribute to overcapacity and overfishing, and eliminate subsidies that contribute to IUU fishing"*

*"SDG 14.b Provide access of small-scale artisanal fishers to marine resources and markets"*

- Pirate Fishing: Harnessing Technology and Investment for Catch Documentation and Traceability to Reduce Illegal, Unregulated and Unreported (IUU) Fishing
- Aquaculture: Advancing Sustainable Aquaculture in a Multi-Use Ocean
- From Local Enterprise to Global Seafood Markets: Real Business Solutions for Fishery Sustainability and Traceability in a Multiple Use Ocean

## ECONOMIC BENEFITS TO SMALL ISLAND DEVELOPING STATES (SIDS) AND LEAST DEVELOPED COUNTRIES (LDCs)

*"SDG 14.7 By 2030, increase the economic benefits to Small Island Developing States (SIDS) and Least Developed Countries (LDCs) from the sustainable use of marine resources, including through sustainable management of fisheries, aquaculture and tourism"*

- Ocean Energy: Scaling Up Low Carbon Energy Sources from the Sea, with a View Towards SIDS and LDCs

## OCEAN KNOWLEDGE, RESEARCH AND TECHNOLOGY

*"SDG 14.a Increase scientific knowledge, develop research capacities and transfer marine technology"*

- Smart Ocean-Smart Industries 1: Advancing Ocean Industry Data Collection, including on Ocean Acidification
- Smart Ocean-Smart Industries 2: Bathymetry Data Collection
- Maritime Clusters: Innovation and Collaboration for Ocean Sustainable Development

## OCEAN GOVERNANCE INCLUDING UNCLOS

*"SDG 14.c Ensure the full implementation of international law, as reflected in UNCLOS for states parties to it, including, where applicable, existing regional and international regimes for the conservation and sustainable use of oceans and their resources by their parties"*

- The Law of the Seas New Legally Binding Instrument on Biodiversity in Areas Beyond National Jurisdiction (BBNJ): What Will It Mean for Ocean Industries
- Dark Ships: Improving Ocean Governance and Maritime Security by Increasing Information on Illicit Vessels